

#	Entity Name	Description	Alias	Occurrences
1	Accountant	General term describing all employees who is in an accountant position in any branch of Bright House.		Each accountant can oversee records of inventory transactions. Each accountant can review or verify multiple financial transaction. Each accountant can approve multiple purchasing.
2	AddingSupply	General term describing actions of adding or refilling consumable supply during a customer room service.	RefillingAction	Adding supply is a type of room service action. Adding supply service action uses supply.
3	Branch	General term describing all branches of Bright House apartment.	Apartment	Each branch is managed by one branch manager. Each branch has to manage multiple reservations of their own. Each branch has to manage customer rentals. Each branch can have at least one room. Each branch has their own inventory entry records. Each branch must have at least one employee to operate.
4	Cleaning	General term describing actions of cleaning during a customer room service.	CleaningAction	Cleaning is a type of room service action. Cleaning service action uses returning supply.
5	CleaningPersonnel	General term describing all employees who are cleaning personnel in any branch of Bright House.		Each cleaning personnel carries out room services for customers.
6	Customer	General term describing all customers of Bright House Apartment.	Guest	Each customer requests a rental which is tied to a room. Each customer will provide the required personal information for the branch. Each customer can choose to give feedback. Customers can optionally request room services. A customer in a rental is responsible for a rental bill. Each customer may or may not be included in any rental. Each customer can request multiple rentals.
7	CustomerBilling	General term describing all billing instances that has to be paid by customers.	RentalBilling	Each bill is must be paid by a customer. Each customer billing depends on the rental that the customer has requested. Each customer bill has at least one bill line. Each customer bill is eventually lead to a financial transaction. At least one customer billing is included in a rental.
8	CustomerBillingLine	General term describing all billing lines in all customer bills.		Each customer billing line is included in a billing. Each customer billing line may be caused by a rental period. Each customer billing line may be caused by requested room service. Each customer billing line may be caused by one instance of property damage. Each customer billing line is created by an employee. Each customer billing line may be caused by a utility cost.
9	CustomerRoomService	General term describing all room service instances associated to a rental, provided by Bright House, carried out by cleaning personnel.	ApartmentRoomService	Each room service for customers is being carried out by a cleaning personnel. Each room service is consisted of at least one room service action. Each room service must associate with a rental. There are two sub-types of room service: requested room service and routine room service. Each room service may require many inventory deposits or withdrawals.
10	Employee	General term describing all staff or employees employed by Bright House Apartment. This includes any person responsible for any role in Bright House.	Staff	Each employee must have an apartment branch to work in. Every employee performs their work according to their role in the branch. Each employee can optionally carry out property inspections. Each employee may reviews feedback and take action based on it. Any employee can record utility usages, includes electricity and water utility, of a room. Each employee can carry out multiple maintenance tasks. An employee can record many inventory entries. Each employee is get paid by a branch manager which included as a financial transaction. Each employee may take part in or carry out a approved purchasing. Each employee can request for many maintenances of Bright House's belongings to take place.

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11	ExternalOperative	General term describing external personnel who involves in Bright House internal property maintenance.	Repairman	Each external operative must participate in a maintenance.
12	Feedback	General term describing the feedback from customers.	CustomerReview	Each customer can generate several feedback entries. Each action can be executed by employees based on feedback. Each feedback is reviewed by an employee.
13	FinancialTransaction	General term describing financial transactions between the customer and the Bright House Apartment		Each Financial transaction may be caused by a purchasing. Each financial transaction must be reviewed by an accountant. Many financial transactions may be caused by a payment between a manager to many employees. Each financial transaction may be caused by a customer billing.
14	InventoryEntry	General term describing transactions of supplies and objects in or out of a branch inventory.	InventoryLedgerLine	Each maintenance may require supply and additional inventory entries. Each branch has many inventory entries. Each inventory entry involves supply (a consumable). Each supply entry is recorded by an employee. Each supply entry must be overseen by an accountant. Each supply entry must be overseen by an accountant. Supply entry has 3 types which are withdrawal, purchasing deposit, and returning deposit. Each inventory entry may involved with a customer room service.
15	Maintenance	General term describing entries of detail of the maintenance done in the Bright House Apartment		Each object in each room needs maintenance. Each employee can carry out many maintenance tasks. Each maintenance may require many entries of the inventory which consists of multiple supply. Each maintenance needs to be approved by a manager before it starts. Each maintenance may have external operatives. Each maintenance may be caused by property damage. Each maintenance must be requested by an employee.
16	Manager	General term describing all manager who manage a branch.	BranchManager	Each manager can approve multiple purchasing. Each manager may approve or allow many maintenance tasks to occur. A manager pays many employees which will also involve many financial transactions. A manager may or may not manage a branch. A manager can oversee multiple customer billings. Manager is one of many available employee positions. Each manager can manage many reservations.
17	PropertyDamage	General term describing the property damage that have been recorded	RoomObjectDamage	Each property damage is discovered by a property inspection. A property damage may lead to a maintenance. Each damage is done to a room object which is a property of Bright House. A property damage may lead to a customer billing line.
18	PropertyInspection	General term describing instances of property inspection carried out by an employee at the end of a customer rental.	RoomInspection	Each property inspection is a task carried out by an employee. Each property inspection involves only one customer rental. A property inspection may lead to discoveries of property damage.
19	Purchasing	General term describing the purchase for additional supply		A purchasing covers multiple purchasing lines. Each purchasing involves only one vendor. Each purchasing may get approved by a manager. Each purchasing may get approved by an accountant.
20	PurchasingDeposit	General term describing the supply that was receive from the purchasing process		Supply entry purchasing deposit type is a consequence of a purchasing line. Purchasing deposit is a type of supply entry.

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21	PurchasingLine	General term describing the supply that have been gain from the purchasing process		Each purchasing line is covered by a purchasing. Each purchasing line may include a room object. Each purchasing line may include a supply. Each purchasing line always lead to purchasing deposit.
22	Rental	General term describing the rental made by customers in any branch of Bright House Apartment	CustomerStay	Each rental consists of at least one rental period. Each rental is associated with only one apartment room. Each rental consists of at least one customer. Each rental is managed by an apartment branch. Each rental must be booked by a customer. Each rental may involve multiple room services. Each rental may have its associated reservation. Each rental must get inspected for property damages. Each rental can associate with many customer billings.
23	RentalPeriod	General term describing a smaller period of time that a rental last. In this case, rental period may has a length of a day or a month depends on the rental type.		Each rental period belongs to only one rental. Each rental period associates to a customer billing line. Each rental period may tie to a utility cost record.
24	RequestedRoomService	General term describing customer room service instances that are done by cleaning personnel on a customer request.		Each customer may request many room services. Each requested room service leads to a customer billing line. Requested room service is a sub-category of customer room service.
25	Reservation	General term describing the reservation that have been made by either an old customer or someone else.		Each reservation can be made for multiple rooms. Each reservation is managed by a manager. Each reservation is may lead to single or multiple rentals. Each reservation is may be added by a customer. If a reservation is not added by a customer, it may be added by a someone else. Each reservation mentions at least one room. Each reservation is managed by a branch.
26	ReturningDeposit	General term describing deposits for returning supply.		Each returning deposit involves with one returning supply. Returning deposit is a type of supply entry.
27	ReturningSupply	General term describing consumable that can be returned to the inventory. Similarly to its parent type, supply in this entity will be recorded in terms of types. For example, 2 bottle of identical floor wax would be represented by 1 rows.		A returning supply/consumable involved multiple returning deposits. Returning supply is a subtype of supply. Each returning supply is used by a cleaning service action.
28	Room	General term describing all rooms in Bright House Apartment.	ApartmentRoom	Each room is owned by one branch. Each room may or may not have room objects. Each room has multiple utility records. Each room gets involved in a property inspection. Each room may get involved in a reservation. Each room may have a rental associate to it.
29	RoomObject	General term describing all furniture, decorations and other non-consumables that exist in each room in each branch.		Every damaged room object will be recorded as property damage. Each room object needs multiple maintenances. Each room object may be present in a purchasing line. Each object is included in a room.
30	RoomObjectModel	General term describing models of non-consumables such as furniture and decorations in apartment.		Each object model has multiple room objects associate to it.
31	RoomServiceAction	General term describing all possible actions that can be performed by a cleaning personnel during a customer service session.		Each room service action is included in many customer room services. There are 2 categories of room service action: cleaning action and adding supply action.

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32	RoomUtilityRecord	General term describing records of room utility usage meter reading.	RoomUtilityMeterReading	Each room utility record is created by an employee. Each room utility record has to involve with only one room. Each room utility record may be used to calculate up to 2 utility cost records. Each pair of room utility records can be used to calculate a billing line.
33	RoutineRoomService	General term describing customer room service sessions that are being done routinely for each rental.		Routine room service is a sub-category of customer room service.
34	Supply	General term describing all classes or types of consumable that Bright House have ever own. For example, if all branches has total 4 bottles of identical shampoo, the supply will be counted as 1 record with amount on hand equal to 4. Consumable supply, by default, does not required to be returned such as rolls of tissue paper will be represented by this entity.	Consumable	There is another type of supply: returning supply. Each supply may be included in many purchasing lines. Each supply may involve multiple inventory entries. Each supply can be requested by a customer via adding supply room service.
35	Vendor	General term describing sellers of products.	Merchant	Each utility cost is calculated from a pair of room utility record. Each utility cost instance is tied to a rental period. Each utility cost leads to a customer billing line of a customer billing.
36	Withdrawal	General term describing the retrieval of the supply for internal purposes.		Each vendor is recorded by an employee. Each purchasing involves multiple purchases.
37	UtilityCost	General term describing records of cost of water and electricity utility of a room that is rented by customers.		Withdrawal is a type of inventory entry.